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NEWS 3 Oct 09 Korean abstracts now included in Derwent World Patents  
Index  
NEWS 4 Oct 09 Number of Derwent World Patents Index updates increased  
NEWS 5 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File  
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NEWS 13 Nov 30 Files VETU and VETB to have open access  
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NEWS 15 Dec 10 DGENE BLAST Homology Search  
NEWS 16 Dec 17 WELDASEARCH now available on STN  
NEWS 17 Dec 17 STANDARDS now available on STN  
NEWS 18 Dec 17 New fields for DPCI  
NEWS 19 Dec 19 CAS Roles modified  
NEWS 20 Dec 19 1907-1946 data and page images added to CA and CApplus  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
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=> file caplus

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FULL ESTIMATED COST	0.00	0.45

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FILE COVERS 1907 - 18 Jan 2002 VOL 136 ISS 3  
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=> s spunbond or (spun-bond)

```
114 SPUNBOND
  1 SPUNBONDS
114 SPUNBOND
    (SPUNBOND OR SPUNBONDS)
37449 SPUN
  3 SPUNS
37450 SPUN
    (SPUN OR SPUNS)
424863 BOND
```

206169 BONDS  
 546632 BOND  
     (BOND OR BONDS)  
     111 SPUN-BOND  
         (SPUN(W) BOND)  
 L1          220 SPUNBOND OR (SPUN-BOND)

=> s polyethylene terephthalate or pet  
     265344 POLYETHYLENE  
         8102 POLYETHYLENES  
     267632 POLYETHYLENE  
         (POLYETHYLENE OR POLYETHYLENES)  
     74867 TEREPHTHALATE  
         1750 TEREPHTHALATES  
     75205 TEREPHTHALATE  
         (TEREPHTHALATE OR TEREPHTHALATES)  
     19981 POLYETHYLENE TEREPHTHALATE  
         (POLYETHYLENE(W) TEREPHTHALATE)  
     39385 PET  
         511 PETS  
     39633 PET  
         (PET OR PETS)  
 L2          54493 POLYETHYLENE TEREPHTHALATE OR PET

=> s (linear low density polyethylene) or lldpe  
     452889 LINEAR  
         53 LINEARS  
     452912 LINEAR  
         (LINEAR OR LINEARS)  
     1901189 LOW  
         334 LOWS  
     1901424 LOW  
         (LOW OR LOWS)  
     191139 DENSITY  
         92238 DENSITIES  
     264399 DENSITY  
         (DENSITY OR DENSITIES)  
     265344 POLYETHYLENE  
         8102 POLYETHYLENES  
     267632 POLYETHYLENE  
         (POLYETHYLENE OR POLYETHYLENES)  
     4962 LINEAR LOW DENSITY POLYETHYLENE  
         (LINEAR(W) LOW(W) DENSITY(W) POLYETHYLENE)  
     5991 LLDPE  
         84 LLDPEs  
     5999 LLDPE  
         (LLDPE OR LLDPEs)  
 L3          7489 (LINEAR LOW DENSITY POLYETHYLENE) OR LLDPE

=> s (high density polyethylene) or hdpe  
     2926869 HIGH  
         454 HIGHS  
     2927126 HIGH  
         (HIGH OR HIGHS)  
     191139 DENSITY  
         92238 DENSITIES  
     264399 DENSITY  
         (DENSITY OR DENSITIES)  
     265344 POLYETHYLENE  
         8102 POLYETHYLENES  
     267632 POLYETHYLENE  
         (POLYETHYLENE OR POLYETHYLENES)  
     2284 HIGH DENSITY POLYETHYLENE

(HIGH(W) DENSITY(W) POLYETHYLENE)

8316 HDPE

25 HDPEs

8320 HDPE

(HDPE OR HDPEs)

L4 9633 (HIGH DENSITY POLYETHYLENE) OR HDPE

=> l2 and l3 and l4

L2 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l2 and l3 and l4

L5 61 L2 AND L3 AND L4

=> s fabric or textile

80859 FABRIC

74103 FABRICS

112902 FABRIC

(FABRIC OR FABRICS)

66347 TEXTILE

65248 TEXTILES

100187 TEXTILE

(TEXTILE OR TEXTILES)

L6 172015 FABRIC OR TEXTILE

=> s l5 and l6

L7 6 L5 AND L6

=> s sheath or core

21523 SHEATH

4976 SHEATHS

24254 SHEATH

(SHEATH OR SHEATHS)

216793 CORE

49219 CORES

241396 CORE

(CORE OR CORES)

L8 259537 SHEATH OR CORE

=> s l6 and l8

L9 3850 L6 AND L8

=> s l5 and l9

L10 4 L5 AND L9

=> d 1-4 bib, abs

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1999:156161 CAPLUS

DN 130:210768

TI Nonwoven **fabrics** of short fibers with high bulk and good handle  
and reduced difference between shrinkage in the machine and transverse  
directions

IN Nagano, Yukiyoishi; Hirabayashi, Shigeru

PA Chisso Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

PI JP 11061614 A2 19990305 JP 1997-230282 19970812  
 AB The nonwoven **fabrics** comprise webs prepd. by dispersing and piling .gtoreq.1 type of short fibers with length 3-25 mm and denier per filament 1-10 to form webs contg. .gtoreq.1 type of heat-bondable fibers (A) with A fiber content .gtoreq.5% and have fiber-to-fiber intersections in the heat-bonded state and exhibit sp. vol. 22-170 cm<sup>3</sup>/g and ratio (R) of heat shrinkage of the fibers in the machine direction to heat shrinkage of the fibers in the transverse direction 0.75-1.25. The nonwoven **fabrics** are useful for diapers, sanitary napkins, incontinence pads, mother's milk pads, filters, and wipers. **HDPE** with m.p. 132.degree. as the **sheath** and polypropylene with m.p. 164.degree. as the **core** were together melt spun at 50:50 wt. ratio to form staple fibers with denier per filament 2.1 and length 10 mm, piled on a net conveyer to form a web, and heat-treated 10 s at 148.degree. to give a nonwoven **fabric** exhibiting tensile strength in the transverse direction 1.63 kg/5 cm, sp. vol. 102 cm<sup>3</sup>/g, and R 1.20 and good handle and showing good urine absorption properties on using the nonwoven **fabric** as the facing material for a diaper.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:163519 CAPLUS  
 DN 128:181392

TI A composite laminated sheet comprising a nonwoven **fabric** and a thermoplastic crystalline film  
 IN Noma, Takeshi; Horiuchi, Shingo; Tsujiyama, Yoshimi  
 PA Chisso Corporation, Japan; Noma, Takeshi; Horiuchi, Shingo; Tsujiyama, Yoshimi  
 SO PCT Int. Appl., 76 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9808680	A1	19980305	WO 1997-JP2901	19970820
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9738674	A1	19980319	AU 1997-38674	19970820
	DE 19781951	T	19990812	DE 1997-19781951	19970820
	CN 1228735	A	19990915	CN 1997-197494	19970820
	JP 2001500437	T2	20010116	JP 1998-511456	19970820
	US 6271155	B1	20010807	US 1999-245649	19990208
PRAI	JP 1996-224138	A	19960826		
	WO 1997-JP2901	W	19970820		

AB The sheet comprises a thermoplastic cryst. film and a nonwoven **fabric** having a thermoplastic conjugated fiber comprising a low m.p. component and a high m.p. component, in which the difference in the m.p. between the low m.p. component and the high m.p. component is .gtoreq.10.degree.; the difference in the m.p. between the thermoplastic cryst. film and the low m.p. component of the conjugated fiber is .ltoreq.30.degree.; and the temp. of the position corresponding to 10% of the area from the side of the melting starting point of the endothermic peak of an entire conjugated fiber evaluated by DSC is between the melting starting point and the melting completion point of the endothermic peak of the film. A composite sheet is provided in which a nonwoven **fabric** and a film are adhered without adhesives, the appearance is

excellent, and the adhesive strength between the nonwoven **fabric** and the film is high. The composite sheet can be used for waterproof sheets, for example, paper diapers or sanitary napkins or the like.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1994:137059 CAPLUS

DN 120:137059

TI Manufacture of synthetic nonwoven **fabrics** with high softness and bulk

PA Hercules Inc., USA

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05222658	A2	19930831	JP 1992-279783	19921019
PRAI	US 1991-777931		19911017		

AB The title nonwoven **fabrics** are prepd. by compressing nonwoven webs of conjugate fibers consisting of a thermoplastic polymer (A) component and a component (B) with the softening temp. smaller than that of A below the softening temp. of B and heat treating the webs at or above the softening temp. of B. A carded web comprising **sheath-core** spun fibers from **HDPE** and **PET** and **LLDPE** fibers was prepd., pressed, and passed through an air jet at 110.degree. to give a nonwoven **fabric** with high bulk and softness.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1991:410814 CAPLUS

DN 115:10814

TI Thermally bondable synthetic conjugate fibers for manufacture of nonwoven **fabrics** with high tensile strength and improved softness

IN Ishizawa, Hitoshi; Matsuda, Hideo

PA Chisso Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03064519	A2	19910319	JP 1989-199129	19890731
	JP 2775476	B2	19980716		

AB The title fibers comprise 2 polymers differing (by .gtoreq.20.degree.) in m.p., the low-melting polymer being **LLDPE** contg. C3-12 .alpha.-olefin units and having d. 0.900-0.940, melt index 5-43, and differential scanning calorimetric break temp. (t) other than the m.p. 90-125.degree.. Thus, 1-butene-ethylene copolymer (I; t 107.degree.) as the **sheath** and **PET** as the **core** were melt spun in 50:50 ratio, drawn, crimped, cut, made into a carded web, and heated 2 min at 125.degree. to give a nonwoven **fabric** with tensile strength 5.1 kg/5 cm and bending stress in the machine and transverse directions 17.0 and 8.5 g, resp., vs. 5.2, 42.5, and 27.0, resp, with **HDPE** instead of I.

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	0.34	46.92
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CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-2.48

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CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-2.48

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Terms	Documents
113 and 12	0

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US Pre-Grant Publication Full-Text Database

JPO Abstracts Database

EPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins ▼

113 and 12 ▲

[Refine Search:](#)[Clear](#)**Search History****Today's Date: 1/18/2002**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	13 and 14 and 17	13	<u>L8</u>
USPT	polyethylene terephthalate	42820	<u>L7</u>
DWPI	polyethylene terephthalate	18876	<u>L6</u>
DWPI	linear low density polyethylene same high density polyethylene	376	<u>L5</u>
USPT	linear low density polyethylene same high density polyethylene	2575	<u>L4</u>
USPT	polyester same core and polyethylene same sheath	686	<u>L3</u>
USPT	spunbond fabric same sheath same core	5	<u>L2</u>
DWPI	spunbond fabric same sheath same core	0	<u>L1</u>

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	113 and 12	0	<u>L14</u>
USPT	16 and 19 and 110	15	<u>L13</u>
DWPI	17 and 18 and 111	2	<u>L12</u>
DWPI	polyethylene terephthalate	18876	<u>L11</u>
USPT	polyethylene terephthalate	42820	<u>L10</u>
USPT	linear low density polyethylene same high density polyethylene	2967	<u>L9</u>
DWPI	linear low density polyethylene same high density polyethylene	376	<u>L8</u>
DWPI	polyester same core and polyethylene same sheath	372	<u>L7</u>
USPT	polyester same core and polyethylene same sheath	781	<u>L6</u>
USPT	sheath same core same bicomponent same filaments	251	<u>L5</u>
DWPI	sheath same core same bicomponent same filaments	35	<u>L4</u>
USPT	sheath same core same bicomponent same filaments	251	<u>L3</u>
USPT	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven)	662	<u>L2</u>
DWPI	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven)	32	<u>L1</u>

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=USPT,PGPB,DWPI; PLUR=YES; OP=ADJ*

<u>L8</u>	16 and 17	3	<u>L8</u>
<u>L7</u>	14 and 15	1534	<u>L7</u>
<u>L6</u>	11 and 12 and 13	50	<u>L6</u>
<u>L5</u>	polyethylene terephthalate	73373	<u>L5</u>
<u>L4</u>	(linear low density polyethylene or lldpe) same (high density polyethylene or hdpe)	5817	<u>L4</u>
<u>L3</u>	polyester same core and polyethylene same sheath	1715	<u>L3</u>
<u>L2</u>	sheath same core same (bi-component or bicomponent) same filaments	500	<u>L2</u>
<u>L1</u>	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven or un-woven)	1124	<u>L1</u>

END OF SEARCH HISTORY